

# Computing Division – Particle Physics Division MOU On Using the KTeV Counting Room to Store PREP Electronics

October 19, 2006

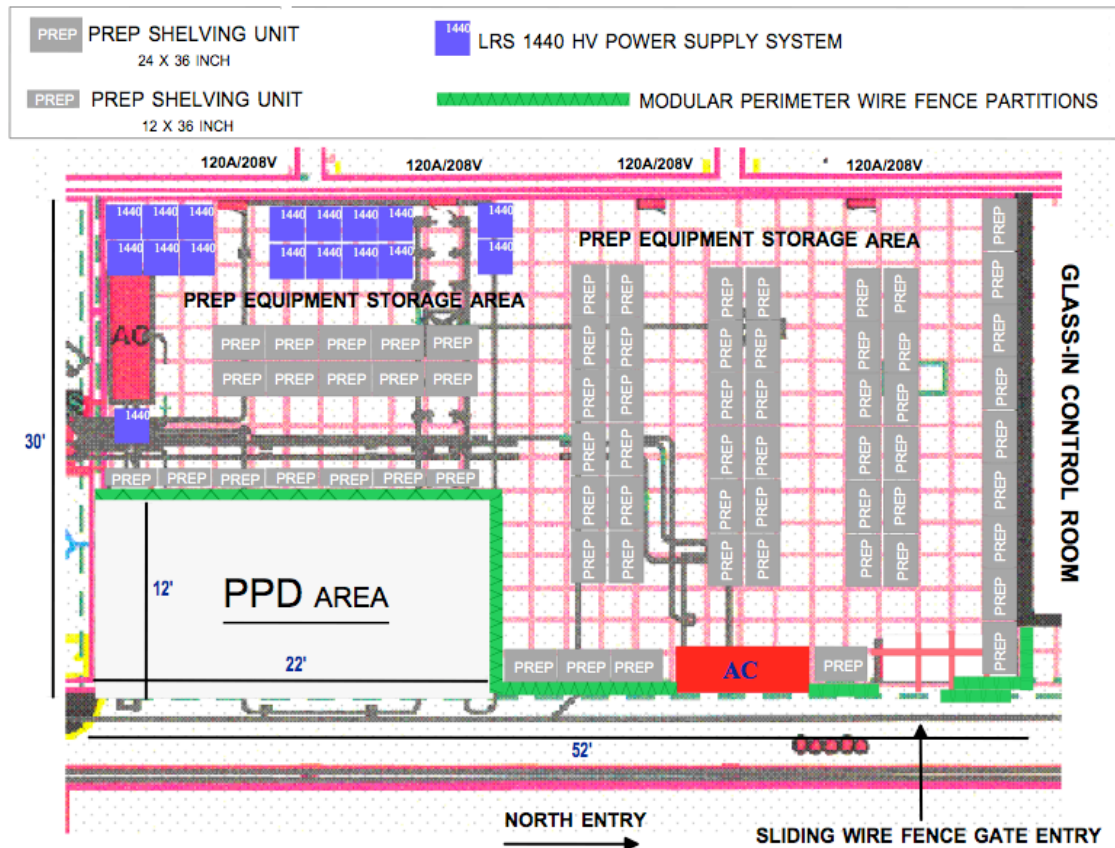
November 7, 2006 (Draft 2)

November 13, 2006 (Draft 3)

## 1. Introduction

The Computing Division (CD) and Particle Physics Division (PPD) have agreed in principle to use most of former electronics area of the KTeV counting room for the storage of electronics from the PREP electronics pool. The PREP electronics pool is managed by the Equipment Logistics Services group of the Cored Support Services Department in the Computing Division (CD/PREP). This MOU is to codify and document this agreement including the responsibilities for the steps necessary to make this transition and any longer term “lease” issues associated with CD’s use of space managed by PPD.

## 2. Space Utilization



The figure above shows the planned utilization of the raised computer floor region of the KTeV counting room south of the glass enclosed counting area. CD will install the shelving units and modular perimeter wire fencing partitions as shown. This area will be locked to provide secure storage for PREP property. Keys will be made available to the PPD building managers.

The control room just North of the PREP space is presently unused. This space will remain untouched and unblocked by this activity. E906 is a potential future occupant of this space. Whatever accommodations are required for the future use of this space, by E-906 or whomever, will be made as and when they become clear. Unless the Directors Office requires the building for another use, PREP should be able to use the building for the purpose of equipment storage for an unlimited period of time.

### 3. Access

The PREP equipment stored in this area will be long term reserves and spares. Access to the storage area will be episodic after the initial transfer of equipment. Access frequencies of once a week or less can be expected.

CD/PREP does not intend to bring a lift truck into the building further than just past the inner set of doors on the North end of the building. A pallet mover may be used further inside the space.

The space is monitored daily during the week (M-F) by PPD building staff as part of routine monitoring of the KTeV CsI system. Any problems with security or the building environment (HVAC, etc.) should be promptly detected.

The PREP storage area will be enclosed with a locked modular perimeter wire fencing partition to provide secure storage. Keys will be held by CD/PREP, CD/Operations, and will be made available to the PPD building managers.

### 4. Transition from the current configuration of the space

At present the space shown above is still full of the racks and electronics from KTeV. The steps required to clear and prepare this space for the electronics storage role include:

- Removing all electronics, crates and power supplies from the existing racks.
- Removing those 55 racks and their associated power, water cooling, and fire safety systems.
- Dropping the majority of cables under the raised computer floor.
- Removing, capping off, or otherwise disabling the CO<sub>2</sub> fire suppression system.

Both PREP and PPD will do a JHA for their portions of the work to be done.

CD will bear the associated costs of these modifications.

The transition will be made as soon as practical after this MOU is signed.

## 5. Building Modifications

There is no sheltered access to the KTeV counting area. The only reasonable place to backup a truck to the building is the parking lot north of the north door shown in the photo below. CD/PREP has begun a discussion with FESS about potential modifications to that entry to the building, specifically a pad and a canopy, to make moving equipment in inclement weather more feasible.



At this time there is no definite plan or budget for such modifications. CD would like to reserve the right to make such a modification in the future, subject to PPD approval.

## 6. ES&H and Security Considerations

The floor tiles are rated at 1000lb at the center of a tile, 5000lb at post locations in the corners. Posts must be perpendicular to achieve ratings. This should be more than

adequate to accommodate to the planned storage shelf loads. A review will be held after shelving has been installed and before it is full loaded with electronics to confirm that the planned loads are within these limits.

Standard CD procedures for safely and securely moving equipment will be followed at all times.

Access to this space will remain controlled to preserve the security of the stored property.

Any building problems seen will be promptly communicated to the building manager.  
After hours building problems will be handled by <for PPD to say>.

Any problems with the stored equipment will be promptly communicated to PREP.

## 7. Lease Duration

The intention is utilize this space for the storage of PREP electronics for the indefinite future. This utilization is subject to revision due to changes in the programmatic needs of CD, PPD, or directives from the Fermilab directorate.

## 8. Contacts:

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## 8. Signatures:

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